

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	22 October 2022
Team ID	PNT2022TMID48154
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation :

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Create and Configure IBM Cloud Services	USN-1	As a user I need to enroll the cloud registration	3	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-1		USN-2	As a user, I will create IBM cloud account.	2	MEDIUM	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M..MUTHU MEENAKSHI
Sprint-1		USN-3	After creating cloud account launch IBM Watson IOT platform by accessing cloud account	5	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-1		USN-4	Create the node in IBM Watson platform	7	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-1		USN-5	After Creating node get device Type and id	1	LOW	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-1		USN-6	Simulate the node created	3	MEDIUM	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-2	Create and access Node-Red	USN-7	As a user ,I can create Node-red by app deployment	5	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI

Sprint-2		USN-8	Connect IBM Watson with node red through API key	2	LOW	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-2		USN-9	Design the project flow using Node-Red	7	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-2		USN-10	Check for the proper connections and the output in the node red application	3	MEDIUM	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Create A Database in Cloudant DB	USN-11	Launch the Cloudant DB and Create database to store the location data	4	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-3	Develop the Python script	USN-12	Install the python software	2	LOW	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-3		USN-13	Develop the python scripts to publish details to IBM IoT Platform	6	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-3		USN-14	Integrate the device id, authentication token in python script	2	LOW	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-3		USN-15	Develop the python code for publishing the location (latitude & longitude) to IBM IoT Platform	8	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI

Sprint-4	Create the Web application using Node Red	USN-16	Develop the Web application using Node red		5	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-4		USN-17	Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant		2	MEDIUM	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-4		USN-18	Create the geofence and Google map for location identification		8	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-4		USN-19	Integrate the geofence and Google map to check if the child is inside or outside the geofence		11	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI
Sprint-4		USN-20	Send the notifications if the child is outside the geofence		4	HIGH	S.GULNAS FATHIMA A.ARUNNAVAMEENA G.MUTHULAKSHMI M.MUTHU MEENAKSHI

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	21	6 Days	24 Oct 2022	29 Oct 2022	21	29 Oct 2022
Sprint-2	17	6 Days	31 Oct 2022	05 Nov 2022	17	05 Nov 2022
Sprint-3	22	6 Days	07 Nov 2022	12 Nov 2022	22	12 Nov 2022
Sprint-4	30	6 Days	14 Nov 2022	19 Nov 2022	30	19 Nov 2022

